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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,267	01/21/2004	Kia Silverbrook	RRA22US	1027
24011 7590 08/16/2007 SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA			EXAMINER UHLENHAKE, JASON S	
			ART UNIT 2853	PAPER NUMBER
			MAIL DATE 08/16/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/760,267

Applicant(s)

SILVERBROOK, KIA

Examiner

Jason Uhlenhake

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 June 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Cook (U.S. Pat. 6,158,850) in view of Drake et al (U.S. Pat. 5,192,959) and Jeong (U.S. Pat. 6,672,699).

Cook discloses:

- ***regarding claim 1***, an integrated circuit assembly arranged to couple with and authenticate an authentication device of the cartridge at receipt of the removable inkjet cartridge (10) by the body (11), such that upon authentication of the cartridge (10, base cartridge assembly) the cradle and cartridge together form an inkjet printer (Figure 1; Abstract; Column 3, Lines 1-11; Column 6, Lines 25-38)

Cook does not disclose expressly the following:

- ***regarding claim 1***, a body complementary to a removable inkjet cartridge, the removable inkjet cartridge having a pagewidth printhead and an ink supply; circuit assembly arranged to determine printing performance information of the printhead

Drake discloses:

- ***regarding claim 1***, a body complementary to a removable inkjet cartridge, the removable inkjet cartridge having a pagewidth printhead (14,16) and an ink supply

(Abstract; Column 6, Lines 20-33), for the purpose of providing accurate positioning of pagewidth printheads

Jeong discloses:

- ***regarding claim 1***, circuit assembly arranged to determine printing performance information of the printhead (Abstract; Column 4, Line 63 – Column 5, Line 17), for the purpose of determining the cartridge type of the printer

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Drake into the device of Cook, for the purpose of providing accurate positioning of pagewidth printheads and determining the cartridge type of the printer

Claims 2-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook (U.S. Pat. 6,158,850) as modified by Drake et al (U.S. Pat. 5,192,959) and Jeong (U.S. Pat. 6,672,699) as applied to claim 1 above, and further in view of Silverbrook et al (U.S. Pat. 6,588,952)

Cook as modified by Drake and Jeong discloses:

- ***regarding claim 3***, wherein the body defines a recess to receive the removable inkjet cartridge (Drake: Column 7, Line 67 – Column 8, Line 15)

Cook as modified by Drake and Jeong does not disclose expressly the following:

- ***regarding claim 2***, wherein the authentication device comprises a quality assurance chip

- **regarding claim 4**, integrated circuit assembly includes a connector mounted upon the body at a location to connect with the quality assurance chip upon insertion of the removable inkjet cartridge into the recess

- **regarding claim 5**, wherein the integrated circuit assembly comprises a portion of a control circuit of the inkjet printer cradle, said control circuit arranged to indicate a failure to verify the authentication device

Silverbrook discloses:

- **regarding claim 2**, wherein the authentication device comprises a quality assurance chip (Column 4, Lines 46 - 58), for the purpose of determining the compatibility of the cartridge with the printer

- **regarding claim 4**, integrated circuit assembly includes a connector mounted upon the body at a location to connect with the quality assurance chip upon insertion of the removable inkjet cartridge (504 of Figure 1) into the recess (Column 4, Lines 46 - 58), for the purpose of determining the compatibility of the cartridge with the printer

- **regarding claim 5**, wherein the integrated circuit assembly comprises a portion of a control circuit of the inkjet printer cradle, said control circuit arranged to indicate a failure to verify the authentication device (Column 4, Lines 46 - 58), for the purpose of determining the compatibility of the cartridge with the printer

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Silverbrook into the device of Cook

Art Unit: 2853

as modified by Drake and Jeong, for the purpose of determining the compatibility of the cartridge with the printer

Response to Arguments

Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection. Please see the above rejections regarding Cook (U.S. Pat. 6,158,850) in view of Drake et al (U.S. Pat. 5,192,959) and Jeong (U.S. Pat. 6,672,699).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.


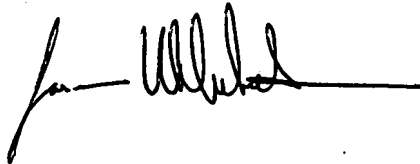
Art Unit: 2853

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Uhlenhake whose telephone number is (571) 272-5916. The examiner can normally be reached on Monday - Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSU
August 9, 2007



STEPHEN MEIER
SUPERVISORY PATENT EXAMINER